

Quarterly Assessment of Construction Impacts on SS

Significant difference between the quarterly mean and 1.3 times of the ambient mean (Lower-tailed t-test)

Baseline Results (DA)							Impact Monitoring Results (DA)						
STN	DATE	TIDE	SS	DATE	TIDE	SS	STN	DATE	TIDE	SS	DATE	TIDE	SS
C1	06-Feb-03	Mid-Ebb	3	06-Feb-03	Mid-Flood	4	C1	1-May-06	MID-EBB	5	1-May-06	MID-FLOOD	4
C1	08-Feb-03	Mid-Ebb	6	08-Feb-03	Mid-Flood	4	C1	3-May-06	MID-EBB	4	3-May-06	MID-FLOOD	5
C1	10-Feb-03	Mid-Ebb	2	10-Feb-03	Mid-Flood	3	C1	5-May-06	MID-EBB	5	5-May-06	MID-FLOOD	4
C1	14-Feb-03	Mid-Ebb	4	14-Feb-03	Mid-Flood	7	C1	8-May-06	MID-EBB	3	8-May-06	MID-FLOOD	5
C1	18-Feb-03	Mid-Ebb	5	17-Feb-03	Mid-Flood	11	C1	10-May-06	MID-EBB	6	10-May-06	MID-FLOOD	7
C1	19-Feb-03	Mid-Ebb	6	19-Feb-03	Mid-Flood	9	C1	12-May-06	MID-EBB	3	12-May-06	MID-FLOOD	4
C1	21-Feb-03	Mid-Ebb	6	21-Feb-03	Mid-Flood	7	C1	15-May-06	MID-EBB	6	15-May-06	MID-FLOOD	6
C1	24-Feb-03	Mid-Ebb	6	24-Feb-03	Mid-Flood	5	C1	19-May-06	MID-EBB	5	19-May-06	MID-FLOOD	5
C1	28-Feb-03	Mid-Ebb	5	28-Feb-03	Mid-Flood	7	C1	22-May-06	MID-EBB	6	22-May-06	MID-FLOOD	7
C1	03-Mar-03	Mid-Ebb	7	03-Mar-03	Mid-Flood	10	C1	24-May-06	MID-EBB	5	24-May-06	MID-FLOOD	5
C1	05-Mar-03	Mid-Ebb	6	05-Mar-03	Mid-Flood	8	C1	26-May-06	MID-EBB	4	26-May-06	MID-FLOOD	6
C1	07-Mar-03	Mid-Ebb	7	07-Mar-03	Mid-Flood	8	C1	29-May-06	MID-EBB	5	29-May-06	MID-FLOOD	4
C1	10-Mar-03	Mid-Ebb	6	10-Mar-03	Mid-Flood	6	C1	31-May-06	MID-EBB	4	31-May-06	MID-FLOOD	4
C1	17-Mar-03	Mid-Ebb	9	17-Mar-03	Mid-Flood	7	C1	2-Jun-06	MID-EBB	4	2-Jun-06	MID-FLOOD	4
C1	19-Mar-03	Mid-Ebb	8	19-Mar-03	Mid-Flood	10	C1	5-Jun-06	MID-EBB	4	5-Jun-06	MID-FLOOD	3
C1	22-Mar-03	Mid-Ebb	8	22-Mar-03	Mid-Flood	10	C1	7-Jun-06	MID-EBB	5	7-Jun-06	MID-FLOOD	4
C1	24-Mar-03	Mid-Ebb	6	24-Mar-03	Mid-Flood	5	C1	9-Jun-06	MID-EBB	3	9-Jun-06	MID-FLOOD	5
C1	26-Mar-03	Mid-Ebb	6	27-Mar-03	Mid-Flood	5	C1	12-Jun-06	MID-EBB	5	12-Jun-06	MID-FLOOD	4
C1	31-Mar-03	Mid-Ebb	8	31-Mar-03	Mid-Flood	6	C1	14-Jun-06	MID-EBB	4	14-Jun-06	MID-FLOOD	5
C1	02-Apr-03	Mid-Ebb	7	02-Apr-03	Mid-Flood	6	C1	16-Jun-06	MID-EBB	4	16-Jun-06	MID-FLOOD	4
C1	04-Apr-03	Mid-Ebb	7	04-Apr-03	Mid-Flood	7	C1	19-Jun-06	MID-EBB	7	19-Jun-06	MID-FLOOD	7
C1	07-Apr-03	Mid-Ebb	5	07-Apr-03	Mid-Flood	6	C1	21-Jun-06	MID-EBB	4	21-Jun-06	MID-FLOOD	6
C1	09-Apr-03	Mid-Ebb	5	09-Apr-03	Mid-Flood	6	C1	23-Jun-06	MID-EBB	4	23-Jun-06	MID-FLOOD	5
C1	14-Apr-03	Mid-Ebb	5	14-Apr-03	Mid-Flood	5	C1	26-Jun-06	MID-EBB	4	26-Jun-06	MID-FLOOD	4
C1	16-Apr-03	Mid-Ebb	7	16-Apr-03	Mid-Flood	6	C1	28-Jun-06	MID-EBB	3	28-Jun-06	MID-FLOOD	3
C2	06-Feb-03	Mid-Ebb	3	06-Feb-03	Mid-Flood	3	C1	30-Jun-06	MID-EBB	3	30-Jun-06	MID-FLOOD	3
C2	08-Feb-03	Mid-Ebb	5	08-Feb-03	Mid-Flood	3	C1	3-Jul-06	MID-EBB	5	3-Jul-06	MID-FLOOD	4
C2	10-Feb-03	Mid-Ebb	2	10-Feb-03	Mid-Flood	3	C1	5-Jul-06	MID-EBB	4	5-Jul-06	MID-FLOOD	4
C2	14-Feb-03	Mid-Ebb	4	14-Feb-03	Mid-Flood	4	C1	7-Jul-06	MID-EBB	4	7-Jul-06	MID-FLOOD	5
C2	18-Feb-03	Mid-Ebb	5	17-Feb-03	Mid-Flood	5	C1	10-Jul-06	MID-EBB	6	10-Jul-06	MID-FLOOD	5
C2	19-Feb-03	Mid-Ebb	5	19-Feb-03	Mid-Flood	6	C1	12-Jul-06	MID-EBB	3	12-Jul-06	MID-FLOOD	3
C2	21-Feb-03	Mid-Ebb	6	21-Feb-03	Mid-Flood	6	C1	14-Jul-06	MID-EBB	4	14-Jul-06	MID-FLOOD	5
C2	24-Feb-03	Mid-Ebb	8	24-Feb-03	Mid-Flood	4	C1	17-Jul-06	MID-EBB	2	17-Jul-06	MID-FLOOD	2
C2	28-Feb-03	Mid-Ebb	5	28-Feb-03	Mid-Flood	7	C1	19-Jul-06	MID-EBB	3	19-Jul-06	MID-FLOOD	2
C2	03-Mar-03	Mid-Ebb	7	03-Mar-03	Mid-Flood	8	C1	21-Jul-06	MID-EBB	2	21-Jul-06	MID-FLOOD	4
C2	05-Mar-03	Mid-Ebb	5	05-Mar-03	Mid-Flood	8	C1	24-Jul-06	MID-EBB	7	24-Jul-06	MID-FLOOD	8
C2	07-Mar-03	Mid-Ebb	7	07-Mar-03	Mid-Flood	9	C1	26-Jul-06	MID-EBB	4	26-Jul-06	MID-FLOOD	4
C2	10-Mar-03	Mid-Ebb	6	10-Mar-03	Mid-Flood	7	C1	28-Jul-06	MID-EBB	3	28-Jul-06	MID-FLOOD	3
C2	17-Mar-03	Mid-Ebb	6	17-Mar-03	Mid-Flood	7	C1	31-Jul-06	MID-EBB	4	31-Jul-06	MID-FLOOD	4
C2	19-Mar-03	Mid-Ebb	9	19-Mar-03	Mid-Flood	8	C2	1-May-06	MID-EBB	4	1-May-06	MID-FLOOD	4
C2	22-Mar-03	Mid-Ebb	6	22-Mar-03	Mid-Flood	7	C2	3-May-06	MID-EBB	5	3-May-06	MID-FLOOD	5
C2	24-Mar-03	Mid-Ebb	4	24-Mar-03	Mid-Flood	4	C2	5-May-06	MID-EBB	4	5-May-06	MID-FLOOD	4
C2	26-Mar-03	Mid-Ebb	8	27-Mar-03	Mid-Flood	6	C2	8-May-06	MID-EBB	3	8-May-06	MID-FLOOD	4
C2	31-Mar-03	Mid-Ebb	7	31-Mar-03	Mid-Flood	7	C2	10-May-06	MID-EBB	5	10-May-06	MID-FLOOD	7
C2	02-Apr-03	Mid-Ebb	7	02-Apr-03	Mid-Flood	5	C2	12-May-06	MID-EBB	3	12-May-06	MID-FLOOD	4
C2	04-Apr-03	Mid-Ebb	6	04-Apr-03	Mid-Flood	7	C2	15-May-06	MID-EBB	7	15-May-06	MID-FLOOD	5
C2	07-Apr-03	Mid-Ebb	4	07-Apr-03	Mid-Flood	6	C2	19-May-06	MID-EBB	5	19-May-06	MID-FLOOD	6
C2	09-Apr-03	Mid-Ebb	6	09-Apr-03	Mid-Flood	5	C2	22-May-06	MID-EBB	5	22-May-06	MID-FLOOD	5
C2	14-Apr-03	Mid-Ebb	4	14-Apr-03	Mid-Flood	5	C2	24-May-06	MID-EBB	5	24-May-06	MID-FLOOD	5
C2	16-Apr-03	Mid-Ebb	7	16-Apr-03	Mid-Flood	7	C2	26-May-06	MID-EBB	5	26-May-06	MID-FLOOD	6
M01	06-Feb-03	Mid-Ebb	7	08-Feb-03	Mid-Flood	7	C2	29-May-06	MID-EBB	5	29-May-06	MID-FLOOD	4
M01	14-Feb-03	Mid-Ebb	8	17-Feb-03	Mid-Flood	8	C2	31-May-06	MID-EBB	4	31-May-06	MID-FLOOD	4
M01	21-Feb-03	Mid-Ebb	9	24-Feb-03	Mid-Flood	6	C2	2-Jun-06	MID-EBB	3	2-Jun-06	MID-FLOOD	3
M01	03-Mar-03	Mid-Ebb	9	05-Mar-03	Mid-Flood	8	C2	5-Jun-06	MID-EBB	4	5-Jun-06	MID-FLOOD	3
M01	10-Mar-03	Mid-Ebb	13	17-Mar-03	Mid-Flood	10	C2	7-Jun-06	MID-EBB	5	7-Jun-06	MID-FLOOD	4
M01	22-Mar-03	Mid-Ebb	8	24-Mar-03	Mid-Flood	8	C2	9-Jun-06	MID-EBB	3	9-Jun-06	MID-FLOOD	6
M01	31-Mar-03	Mid-Ebb	8	02-Apr-03	Mid-Flood	7	C2	12-Jun-06	MID-EBB	5	12-Jun-06	MID-FLOOD	5
M01	07-Apr-03	Mid-Ebb	9	09-Apr-03	Mid-Flood	9	C2	14-Jun-06	MID-EBB	4	14-Jun-06	MID-FLOOD	4
M01	16-Apr-03	Mid-Ebb	8	06-Feb-03	Mid-Flood	17	C2	16-Jun-06	MID-EBB	4	16-Jun-06	MID-FLOOD	3
M02	10-Feb-03	Mid-Ebb	16	14-Feb-03	Mid-Flood	10	C2	19-Jun-06	MID-EBB	6	19-Jun-06	MID-FLOOD	8
M02	19-Feb-03	Mid-Ebb	16	21-Feb-03	Mid-Flood	12	C2	21-Jun-06	MID-EBB	5	21-Jun-06	MID-FLOOD	6
M02	28-Feb-03	Mid-Ebb	12	03-Mar-03	Mid-Flood	12	C2	23-Jun-06	MID-EBB	4	23-Jun-06	MID-FLOOD	5
M02	07-Mar-03	Mid-Ebb	16	10-Mar-03	Mid-Flood	18	C2	26-Jun-06	MID-EBB	3	26-Jun-06	MID-FLOOD	4
M02	19-Mar-03	Mid-Ebb	12	22-Mar-03	Mid-Flood	10	C2	28-Jun-06	MID-EBB	3	28-Jun-06	MID-FLOOD	3
M02	26-Mar-03	Mid-Ebb	10	31-Mar-03	Mid-Flood	12	C2	30-Jun-06	MID-EBB	2	30-Jun-06	MID-FLOOD	3
M02	04-Apr-03	Mid-Ebb	10	07-Apr-03	Mid-Flood	9	C2	3-Jul-06	MID-EBB	5	3-Jul-06	MID-FLOOD	4
M02	14-Apr-03	Mid-Ebb	8	16-Apr-03	Mid-Flood	10	C2	5-Jul-06	MID-EBB	4	5-Jul-06	MID-FLOOD	4
M03	08-Feb-03	Mid-Ebb	7	10-Feb-03	Mid-Flood	7	C2	7-Jul-06	MID-EBB	4	7-Jul-06	MID-FLOOD	5
M03	18-Feb-03	Mid-Ebb	10	19-Feb-03	Mid-Flood	8	C2	10-Jul-06	MID-EBB	4	10-Jul-06	MID-FLOOD	5
M03	24-Feb-03	Mid-Ebb	9	28-Feb-03	Mid-Flood	10	C2	12-Jul-06	MID-EBB	3	12-Jul-06	MID-FLOOD	4
M03	05-Mar-03	Mid-Ebb	9	07-Mar-03	Mid-Flood	10	C2	14-Jul-06	MID-EBB	4	14-Jul-06	MID-FLOOD	5
M03	17-Mar-03	Mid-Ebb	8	19-Mar-03	Mid-Flood	10	C2	17-Jul-06	MID-EBB	2	17-Jul-06	MID-FLOOD	2
M03	24-Mar-03	Mid-Ebb	9	27-Mar-03	Mid-Flood	28	C2	19-Jul-06	MID-EBB	3	19-Jul-06	MID-FLOOD	2
M03	02-Apr-03	Mid-Ebb	8	04-Apr-03	Mid-Flood	7	C2	21-Jul-06	MID-EBB	2	21-Jul-06	MID-FLOOD	4
M03	09-Apr-03	Mid-Ebb	8	14-Apr-03	Mid-Flood	11	C2	24-Jul-06	MID-EBB	8	24-Jul-06	MID-FLOOD	8
M04	06-Feb-03	Mid-Ebb	6	08-Feb-03	Mid-Flood	7	C2	26-Jul-06	MID-EBB	4	26-Jul-06	MID-FLOOD	4
M04	14-Feb-03	Mid-Ebb	10	17-Feb-03	Mid-Flood	9	C2	28-Jul-06	MID-EBB	3	28-Jul-06	MID-FLOOD	4
M04	21-Feb-03	Mid-Ebb	7	24-Feb-03	Mid-Flood	7	C2	31-Jul-06	MID-EBB	4	31-Jul-06	MID-FLOOD	4
M04	03-Mar-03	Mid-Ebb	8	05-Mar-03	Mid-Flood	10	M01	1-May-06	MID-EBB	4	1-May-06	MID-FLOOD	4
M04	10-Mar-03	Mid-Ebb	9	17-Mar-03	Mid-Flood	9	M01	3-May-06	MID-EBB	4	3-May-06	MID-FLOOD	10
M04	22-Mar-03	Mid-Ebb	7	24-Mar-03	Mid-Flood	8	M01	5-May-06	MID-EBB	6	5-May-06	MID-FLOOD	5
M04	31-Mar-03	Mid-Ebb	9	02-Apr-03	Mid-Flood	8	M01	8-May-06	MID-EBB	3	8-May-06	MID-FLOOD	5
M04	07-Apr-03	Mid-Ebb	8	09-Apr-03	Mid-Flood	8	M01	10-May-06	MID-EBB	8	10-May-06	MID-FLOOD	8
M04	16-Apr-03	Mid-Ebb	6	06-Feb-03	Mid-Flood	6	M01	12-May-06	MID-EBB	7	12-May-06	MID-FLOOD	4
M05	10-Feb-03	Mid-Ebb	8	14-Feb-03	Mid-Flood	7	M01	15-May-06	MID-EBB	7	15-May-06	MID-FLOOD	6
M05	19-Feb-03	Mid-Ebb	8	21-Feb-03	Mid-Flood	6	M01	19-May-06	MID-EBB	5	19-May-06	MID-FLOOD	7
M05	28-Feb-03	Mid-Ebb	7	03-Mar-03	Mid-Flood	9	M01	22-May-06	MID-EBB	7	22-May-06	MID-FLOOD	7
M05	07-Mar-03	Mid-Ebb	8	10-Mar-03	Mid-Flood	14	M01	24-May-06	MID-EBB	6	24-May-06	MID-FLOOD	4
M05	19-Mar-03	Mid-Ebb	7	22-Mar-03	Mid-Flood	8	M01	26-May-06	MID-EBB	7	26-May-06	MID-FLOOD	7
M05	26-Mar-03	Mid-Ebb	7	31-Mar-03	Mid-Flood	7	M01	29-May-06	MID-EBB	4	29-May-06	MID-FLOOD	4
M05	04-Apr-03	Mid-Ebb	8	07-Apr-03	Mid-Flood	6	M01	31-May-06	MID-EBB	5	31-May-06	MID-FLOOD	5
M05	14-Apr-03	Mid-Ebb	7	16-Apr-03	Mid-Flood	6	M01	2-Jun-06	MID-EBB	4	2-Jun-06	MID-FLOOD	4
M06	08-Feb-03	Mid-Ebb	5	10-Feb-03	Mid-Flood	8	M01	5-Jun-06	MID-EBB	3	5-Jun-06	MID-FLOOD	4
M06	18-Feb-03	Mid-Ebb	9	19-Feb-03	Mid-Flood	10	M01	7-Jun-06	MID-EBB	6	7-Jun-06	MID-FLOOD	4

Baseline Results (DA)						Impact Monitoring Results (DA)							
STN	DATE	TIDE	SS	DATE	TIDE	SS	STN	DATE	TIDE	SS	DATE	TIDE	SS
M06	24-Feb-03	Mid-Ebb	7	28-Feb-03	Mid-Flood	9	M01	9-Jun-06	MID-EBB	3	9-Jun-06	MID-FLOOD	4
M06	05-Mar-03	Mid-Ebb	10	07-Mar-03	Mid-Flood	10	M01	12-Jun-06	MID-EBB	5	12-Jun-06	MID-FLOOD	6
M06	17-Mar-03	Mid-Ebb	7	19-Mar-03	Mid-Flood	10	M01	14-Jun-06	MID-EBB	5	14-Jun-06	MID-FLOOD	5
M06	24-Mar-03	Mid-Ebb	6	27-Mar-03	Mid-Flood	7	M01	16-Jun-06	MID-EBB	3	16-Jun-06	MID-FLOOD	4
M06	02-Apr-03	Mid-Ebb	7	04-Apr-03	Mid-Flood	7	M01	19-Jun-06	MID-EBB	6	19-Jun-06	MID-FLOOD	7
M06	09-Apr-03	Mid-Ebb	8	14-Apr-03	Mid-Flood	10	M01	21-Jun-06	MID-EBB	5	21-Jun-06	MID-FLOOD	6
M07	06-Feb-03	Mid-Ebb	4	06-Feb-03	Mid-Flood	5	M01	23-Jun-06	MID-EBB	4	23-Jun-06	MID-FLOOD	6
M07	08-Feb-03	Mid-Ebb	4	08-Feb-03	Mid-Flood	5	M01	26-Jun-06	MID-EBB	3	26-Jun-06	MID-FLOOD	5
M07	10-Feb-03	Mid-Ebb	5	10-Feb-03	Mid-Flood	4	M01	28-Jun-06	MID-EBB	4	28-Jun-06	MID-FLOOD	3
M07	14-Feb-03	Mid-Ebb	5	14-Feb-03	Mid-Flood	5	M01	30-Jun-06	MID-EBB	3	30-Jun-06	MID-FLOOD	3
M07	18-Feb-03	Mid-Ebb	5	17-Feb-03	Mid-Flood	7	M01A	3-Jul-06	MID-EBB	4	3-Jul-06	MID-FLOOD	3
M07	19-Feb-03	Mid-Ebb	9	19-Feb-03	Mid-Flood	8	M01A	5-Jul-06	MID-EBB	5	5-Jul-06	MID-FLOOD	5
M07	21-Feb-03	Mid-Ebb	7	21-Feb-03	Mid-Flood	7	M01A	7-Jul-06	MID-EBB	4	7-Jul-06	MID-FLOOD	4
M07	24-Feb-03	Mid-Ebb	5	24-Feb-03	Mid-Flood	6	M01A	10-Jul-06	MID-EBB	3	10-Jul-06	MID-FLOOD	5
M07	28-Feb-03	Mid-Ebb	6	28-Feb-03	Mid-Flood	7	M01A	12-Jul-06	MID-EBB	5	12-Jul-06	MID-FLOOD	3
M07	03-Mar-03	Mid-Ebb	8	03-Mar-03	Mid-Flood	7	M01A	14-Jul-06	MID-EBB	4	14-Jul-06	MID-FLOOD	3
M07	05-Mar-03	Mid-Ebb	6	05-Mar-03	Mid-Flood	7	M01A	17-Jul-06	MID-EBB	2	17-Jul-06	MID-FLOOD	2
M07	07-Mar-03	Mid-Ebb	7	07-Mar-03	Mid-Flood	8	M01A	19-Jul-06	MID-EBB	2	19-Jul-06	MID-FLOOD	2
M07	10-Mar-03	Mid-Ebb	6	10-Mar-03	Mid-Flood	7	M01A	21-Jul-06	MID-EBB	2	21-Jul-06	MID-FLOOD	4
M07	17-Mar-03	Mid-Ebb	8	17-Mar-03	Mid-Flood	7	M01A	24-Jul-06	MID-EBB	6	24-Jul-06	MID-FLOOD	7
M07	19-Mar-03	Mid-Ebb	11	19-Mar-03	Mid-Flood	9	M01A	26-Jul-06	MID-EBB	5	26-Jul-06	MID-FLOOD	5
M07	22-Mar-03	Mid-Ebb	8	22-Mar-03	Mid-Flood	9	M01A	28-Jul-06	MID-EBB	4	28-Jul-06	MID-FLOOD	3
M07	24-Mar-03	Mid-Ebb	10	24-Mar-03	Mid-Flood	7	M01A	31-Jul-06	MID-EBB	4	31-Jul-06	MID-FLOOD	3
M07	26-Mar-03	Mid-Ebb	8	27-Mar-03	Mid-Flood	6	M02	1-May-06	MID-EBB	7	1-May-06	MID-FLOOD	7
M07	31-Mar-03	Mid-Ebb	7	31-Mar-03	Mid-Flood	6	M02	3-May-06	MID-EBB	4	3-May-06	MID-FLOOD	7
M07	02-Apr-03	Mid-Ebb	7	02-Apr-03	Mid-Flood	5	M02	5-May-06	MID-EBB	6	5-May-06	MID-FLOOD	7
M07	04-Apr-03	Mid-Ebb	6	04-Apr-03	Mid-Flood	6	M02	8-May-06	MID-EBB	7	8-May-06	MID-FLOOD	5
M07	07-Apr-03	Mid-Ebb	7	07-Apr-03	Mid-Flood	5	M02	10-May-06	MID-EBB	23	10-May-06	MID-FLOOD	12
M07	09-Apr-03	Mid-Ebb	6	09-Apr-03	Mid-Flood	6	M02	12-May-06	MID-EBB	8	12-May-06	MID-FLOOD	7
M07	14-Apr-03	Mid-Ebb	5	14-Apr-03	Mid-Flood	9	M02	15-May-06	MID-EBB	12	15-May-06	MID-FLOOD	8
M07	16-Apr-03	Mid-Ebb	7	16-Apr-03	Mid-Flood	8	M02	19-May-06	MID-EBB	7	19-May-06	MID-FLOOD	10
M08	06-Feb-03	Mid-Ebb	4	06-Feb-03	Mid-Flood	5	M02	22-May-06	MID-EBB	12	22-May-06	MID-FLOOD	8
M08	08-Feb-03	Mid-Ebb	5	08-Feb-03	Mid-Flood	5	M02	24-May-06	MID-EBB	9	24-May-06	MID-FLOOD	7
M08	10-Feb-03	Mid-Ebb	5	10-Feb-03	Mid-Flood	4	M02	26-May-06	MID-EBB	10	26-May-06	MID-FLOOD	14
M08	14-Feb-03	Mid-Ebb	5	14-Feb-03	Mid-Flood	4	M02	29-May-06	MID-EBB	6	29-May-06	MID-FLOOD	8
M08	18-Feb-03	Mid-Ebb	6	17-Feb-03	Mid-Flood	8	M02	31-May-06	MID-EBB	5	31-May-06	MID-FLOOD	6
M08	19-Feb-03	Mid-Ebb	7	19-Feb-03	Mid-Flood	10	M02	2-Jun-06	MID-EBB	4	2-Jun-06	MID-FLOOD	5
M08	21-Feb-03	Mid-Ebb	8	21-Feb-03	Mid-Flood	6	M02	5-Jun-06	MID-EBB	5	5-Jun-06	MID-FLOOD	5
M08	24-Feb-03	Mid-Ebb	6	24-Feb-03	Mid-Flood	4	M02	7-Jun-06	MID-EBB	5	7-Jun-06	MID-FLOOD	5
M08	28-Feb-03	Mid-Ebb	5	28-Feb-03	Mid-Flood	7	M02	9-Jun-06	MID-EBB	4	9-Jun-06	MID-FLOOD	5
M08	03-Mar-03	Mid-Ebb	7	03-Mar-03	Mid-Flood	8	M02A	12-Jun-06	MID-EBB	5	12-Jun-06	MID-FLOOD	8
M08	05-Mar-03	Mid-Ebb	6	05-Mar-03	Mid-Flood	7	M02A	14-Jun-06	MID-EBB	5	14-Jun-06	MID-FLOOD	6
M08	07-Mar-03	Mid-Ebb	7	07-Mar-03	Mid-Flood	7	M02A	16-Jun-06	MID-EBB	4	16-Jun-06	MID-FLOOD	4
M08	10-Mar-03	Mid-Ebb	9	10-Mar-03	Mid-Flood	6	M02A	19-Jun-06	MID-EBB	6	19-Jun-06	MID-FLOOD	5
M08	17-Mar-03	Mid-Ebb	8	17-Mar-03	Mid-Flood	9	M02A	21-Jun-06	MID-EBB	6	21-Jun-06	MID-FLOOD	7
M08	19-Mar-03	Mid-Ebb	10	19-Mar-03	Mid-Flood	9	M02A	23-Jun-06	MID-EBB	5	23-Jun-06	MID-FLOOD	6
M08	22-Mar-03	Mid-Ebb	7	22-Mar-03	Mid-Flood	10	M02A	26-Jun-06	MID-EBB	4	26-Jun-06	MID-FLOOD	5
M08	24-Mar-03	Mid-Ebb	6	24-Mar-03	Mid-Flood	7	M02A	28-Jun-06	MID-EBB	6	28-Jun-06	MID-FLOOD	4
M08	26-Mar-03	Mid-Ebb	6	27-Mar-03	Mid-Flood	5	M02A	30-Jun-06	MID-EBB	3	30-Jun-06	MID-FLOOD	3
M08	31-Mar-03	Mid-Ebb	7	31-Mar-03	Mid-Flood	5	M02A	3-Jul-06	MID-EBB	5	3-Jul-06	MID-FLOOD	4
M08	02-Apr-03	Mid-Ebb	7	02-Apr-03	Mid-Flood	6	M02A	5-Jul-06	MID-EBB	5	5-Jul-06	MID-FLOOD	5
M08	04-Apr-03	Mid-Ebb	7	04-Apr-03	Mid-Flood	6	M02A	7-Jul-06	MID-EBB	5	7-Jul-06	MID-FLOOD	4
M08	07-Apr-03	Mid-Ebb	7	07-Apr-03	Mid-Flood	5	M02A	10-Jul-06	MID-EBB	4	10-Jul-06	MID-FLOOD	5
M08	09-Apr-03	Mid-Ebb	5	09-Apr-03	Mid-Flood	5	M02A	12-Jul-06	MID-EBB	3	12-Jul-06	MID-FLOOD	3
M08	14-Apr-03	Mid-Ebb	6	14-Apr-03	Mid-Flood	6	M02A	14-Jul-06	MID-EBB	4	14-Jul-06	MID-FLOOD	4
M08	16-Apr-03	Mid-Ebb	7	16-Apr-03	Mid-Flood	8	M02A	17-Jul-06	MID-EBB	2	17-Jul-06	MID-FLOOD	11
M09	06-Feb-03	Mid-Ebb	6	06-Feb-03	Mid-Flood	5	M02A	19-Jul-06	MID-EBB	3	19-Jul-06	MID-FLOOD	3
M09	08-Feb-03	Mid-Ebb	6	08-Feb-03	Mid-Flood	5	M02A	21-Jul-06	MID-EBB	2	21-Jul-06	MID-FLOOD	3
M09	10-Feb-03	Mid-Ebb	5	10-Feb-03	Mid-Flood	4	M02A	24-Jul-06	MID-EBB	8	24-Jul-06	MID-FLOOD	8
M09	14-Feb-03	Mid-Ebb	5	14-Feb-03	Mid-Flood	5	M02A	26-Jul-06	MID-EBB	5	26-Jul-06	MID-FLOOD	5
M09	18-Feb-03	Mid-Ebb	6	17-Feb-03	Mid-Flood	6	M02A	28-Jul-06	MID-EBB	3	28-Jul-06	MID-FLOOD	4
M09	19-Feb-03	Mid-Ebb	6	19-Feb-03	Mid-Flood	7	M02A	31-Jul-06	MID-EBB	4	31-Jul-06	MID-FLOOD	3
M09	21-Feb-03	Mid-Ebb	7	21-Feb-03	Mid-Flood	7	M03	1-May-06	MID-EBB	6	1-May-06	MID-FLOOD	7
M09	24-Feb-03	Mid-Ebb	7	24-Feb-03	Mid-Flood	7	M03	3-May-06	MID-EBB	5	3-May-06	MID-FLOOD	6
M09	28-Feb-03	Mid-Ebb	6	28-Feb-03	Mid-Flood	7	M03	5-May-06	MID-EBB	7	5-May-06	MID-FLOOD	7
M09	03-Mar-03	Mid-Ebb	7	03-Mar-03	Mid-Flood	7	M03	8-May-06	MID-EBB	5	8-May-06	MID-FLOOD	5
M09	05-Mar-03	Mid-Ebb	6	05-Mar-03	Mid-Flood	6	M03	10-May-06	MID-EBB	7	10-May-06	MID-FLOOD	10
M09	07-Mar-03	Mid-Ebb	7	07-Mar-03	Mid-Flood	8	M03	12-May-06	MID-EBB	6	12-May-06	MID-FLOOD	5
M09	10-Mar-03	Mid-Ebb	7	10-Mar-03	Mid-Flood	7	M03	15-May-06	MID-EBB	7	15-May-06	MID-FLOOD	7
M09	17-Mar-03	Mid-Ebb	10	17-Mar-03	Mid-Flood	8	M03	19-May-06	MID-EBB	8	19-May-06	MID-FLOOD	7
M09	19-Mar-03	Mid-Ebb	10	19-Mar-03	Mid-Flood	9	M03	22-May-06	MID-EBB	8	22-May-06	MID-FLOOD	7
M09	22-Mar-03	Mid-Ebb	8	22-Mar-03	Mid-Flood	9	M03	24-May-06	MID-EBB	8	24-May-06	MID-FLOOD	11
M09	24-Mar-03	Mid-Ebb	10	24-Mar-03	Mid-Flood	7	M03	26-May-06	MID-EBB	8	26-May-06	MID-FLOOD	15
M09	26-Mar-03	Mid-Ebb	11	27-Mar-03	Mid-Flood	6	M03	29-May-06	MID-EBB	6	29-May-06	MID-FLOOD	11
M09	31-Mar-03	Mid-Ebb	7	31-Mar-03	Mid-Flood	7	M03	31-May-06	MID-EBB	6	31-May-06	MID-FLOOD	5
M09	02-Apr-03	Mid-Ebb	7	02-Apr-03	Mid-Flood	5	M03	2-Jun-06	MID-EBB	4	2-Jun-06	MID-FLOOD	6
M09	04-Apr-03	Mid-Ebb	7	04-Apr-03	Mid-Flood	5	M03	5-Jun-06	MID-EBB	4	5-Jun-06	MID-FLOOD	5
M09	07-Apr-03	Mid-Ebb	7	07-Apr-03	Mid-Flood	5	M03	7-Jun-06	MID-EBB	4	7-Jun-06	MID-FLOOD	5
M09	09-Apr-03	Mid-Ebb	6	09-Apr-03	Mid-Flood	4	M03	9-Jun-06	MID-EBB	4	9-Jun-06	MID-FLOOD	5
M09	14-Apr-03	Mid-Ebb	5	14-Apr-03	Mid-Flood	6	M03	12-Jun-06	MID-EBB	5	12-Jun-06	MID-FLOOD	8
M09	16-Apr-03	Mid-Ebb	7	16-Apr-03	Mid-Flood	7	M03	14-Jun-06	MID-EBB	7	14-Jun-06	MID-FLOOD	7
M10	06-Feb-03	Mid-Ebb	3	06-Feb-03	Mid-Flood	5	M03	16-Jun-06	MID-EBB	5	16-Jun-06	MID-FLOOD	4
M10	08-Feb-03	Mid-Ebb	6	08-Feb-03	Mid-Flood	5	M03	19-Jun-06	MID-EBB	6	19-Jun-06	MID-FLOOD	9
M10	10-Feb-03	Mid-Ebb	5	10-Feb-03	Mid-Flood	4	M03	21-Jun-06	MID-EBB	4	21-Jun-06	MID-FLOOD	8
M10	14-Feb-03	Mid-Ebb	5	14-Feb-03	Mid-Flood	6	M03	23-Jun-06	MID-EBB	5	23-Jun-06	MID-FLOOD	8
M10	18-Feb-03	Mid-Ebb	6	17-Feb-03	Mid-Flood	8	M03	26-Jun-06	MID-EBB	3	26-Jun-06	MID-FLOOD	6
M10	19-Feb-03	Mid-Ebb	6	19-Feb-03	Mid-Flood	8	M03	28-Jun-06	MID-EBB	4	28-Jun-06	MID-FLOOD	5
M10	21-Feb-03	Mid-Ebb	8	21-Feb-03	Mid-Flood	6	M03	30-Jun-06	MID-EBB	5	30-Jun-06	MID-FLOOD	4
M10	24-Feb-03	Mid-Ebb	6	24-Feb-03	Mid-Flood	5	M03	3-Jul-06	MID-EBB	5	3-Jul-06	MID-FLOOD	5
M10	28-Feb-03	Mid-Ebb	4	28-Feb-03	Mid-Flood	7	M03	5-Jul-06	MID-EBB	7	5-Jul-06	MID-FLOOD	5
M10	03-Mar-03	Mid-Ebb	7	03-Mar-03	Mid-Flood	9	M03	7-Jul-06	MID-EBB	8	7-Jul-06	MID-FLOOD	7
M10	05-Mar-03	Mid-Ebb	6	05-Mar-03	Mid-Flood	6	M03	10-Jul-06	MID-EBB	4	10-Jul-06	MID-FLOOD	7
M10	07-Mar-03	Mid-Ebb	8	07-Mar-03	Mid-Flood	8	M03	12-Jul-06	MID-EBB	5	12-Jul-06	MID-FLOOD	3
M10	10-Mar-03	Mid-Ebb	6	10-Mar-03	Mid-Flood	7	M03	14-Jul-06	MID-EBB	4	14-Jul-06	MID-FLOOD	5
M10	17-Mar-03	Mid-Ebb	8	17-Mar-03	Mid-Flood	7	M03	17-Jul-06	MID-EBB	2	17-Jul-06	MID-FLOOD	2
M10	19-Mar-03	Mid-Ebb	10	19-Mar-03	Mid-Flood	10	M03	19-Jul-06	MID-EBB	4	19-Jul-06	MID-FLOOD	3
M10	22-Mar-03	Mid-Ebb	7	22-Mar-03	Mid-Flood	10	M03	21-Jul-06	MID-EBB	2	21-Jul-06	MID-FLOOD	5
M10	24-Mar-03	Mid-Ebb	5	24-Mar-03	Mid-Flood	8	M03	24-Jul-06	MID-EBB	7	24-Jul-06	MID-FLOOD	11

Baseline Results (DA)						
STN	DATE	TIDE	SS	DATE	TIDE	SS
M10	26-Mar-03	Mid-Ebb	7	27-Mar-03	Mid-Flood	5
M10	31-Mar-03	Mid-Ebb	7	31-Mar-03	Mid-Flood	6
M10	02-Apr-03	Mid-Ebb	8	02-Apr-03	Mid-Flood	6
M10	04-Apr-03	Mid-Ebb	7	04-Apr-03	Mid-Flood	8
M10	07-Apr-03	Mid-Ebb	7	07-Apr-03	Mid-Flood	6
M10	09-Apr-03	Mid-Ebb	5	09-Apr-03	Mid-Flood	7
M10	14-Apr-03	Mid-Ebb	6	14-Apr-03	Mid-Flood	8
M10	16-Apr-03	Mid-Ebb	8	16-Apr-03	Mid-Flood	6
M11	06-Feb-03	Mid-Ebb	6	08-Feb-03	Mid-Flood	6
M11	14-Feb-03	Mid-Ebb	8	17-Feb-03	Mid-Flood	8
M11	21-Feb-03	Mid-Ebb	9	24-Feb-03	Mid-Flood	8
M11	03-Mar-03	Mid-Ebb	9	05-Mar-03	Mid-Flood	9
M11	10-Mar-03	Mid-Ebb	10	17-Mar-03	Mid-Flood	11
M11	22-Mar-03	Mid-Ebb	10	24-Mar-03	Mid-Flood	7
M11	31-Mar-03	Mid-Ebb	9	02-Apr-03	Mid-Flood	8
M11	07-Apr-03	Mid-Ebb	8	09-Apr-03	Mid-Flood	8
M11	16-Apr-03	Mid-Ebb	7	06-Feb-03	Mid-Flood	5
M12	10-Feb-03	Mid-Ebb	7	14-Feb-03	Mid-Flood	7
M12	19-Feb-03	Mid-Ebb	9	21-Feb-03	Mid-Flood	9
M12	28-Feb-03	Mid-Ebb	9	03-Mar-03	Mid-Flood	10
M12	07-Mar-03	Mid-Ebb	9	10-Mar-03	Mid-Flood	9
M12	19-Mar-03	Mid-Ebb	10	22-Mar-03	Mid-Flood	8
M12	26-Mar-03	Mid-Ebb	8	31-Mar-03	Mid-Flood	9
M12	04-Apr-03	Mid-Ebb	8	07-Apr-03	Mid-Flood	10
M12	14-Apr-03	Mid-Ebb	8	16-Apr-03	Mid-Flood	3

$$n_1 = 434$$

$$\bar{X}_1 = 7.1$$

$$\sigma_x = 2.3$$

$$\bar{X}_1 * 1.3 = 9.3$$

By applying the equation:

$$Z = \frac{\bar{X} - \mu_0}{\sigma / \sqrt{n}}$$

& testing

$$H_0 : \mu = \mu_0$$

$$Z_{0.05} = -1.645$$

$$\bar{X} - \mu_0 = -4.41$$

$$\sigma / \sqrt{n} = 0.07$$

Thus,

$$z = -62.63$$

Reject H_0 ?:

YES ($z < -z_{0.05}$)

Therefore, the null hypothesis must be rejected in favor of the alternate hypothesis, i.e., the quarterly mean is significantly less than 1.3 times the ambient mean recorded during baseline monitoring.

Impact Monitoring Results (DA)						
STN	DATE	TIDE	SS	DATE	TIDE	SS
M03	26-Jul-06	MID-EBB	4	26-Jul-06	MID-FLOOD	4
M03	28-Jul-06	MID-EBB	5	28-Jul-06	MID-FLOOD	4
M03	31-Jul-06	MID-EBB	4	31-Jul-06	MID-FLOOD	6
M04A	1-May-06	MID-EBB	5	1-May-06	MID-FLOOD	5
M04A	3-May-06	MID-EBB	5	3-May-06	MID-FLOOD	6
M04A	5-May-06	MID-EBB	4	5-May-06	MID-FLOOD	6
M04A	8-May-06	MID-EBB	5	8-May-06	MID-FLOOD	4
M04A	10-May-06	MID-EBB	8	10-May-06	MID-FLOOD	8
M04A	12-May-06	MID-EBB	5	12-May-06	MID-FLOOD	7
M04A	15-May-06	MID-EBB	6	15-May-06	MID-FLOOD	6
M04A	19-May-06	MID-EBB	5	19-May-06	MID-FLOOD	7
M04A	22-May-06	MID-EBB	6	22-May-06	MID-FLOOD	9
M04A	24-May-06	MID-EBB	5	24-May-06	MID-FLOOD	6
M04A	26-May-06	MID-EBB	6	26-May-06	MID-FLOOD	11
M04A	29-May-06	MID-EBB	5	29-May-06	MID-FLOOD	5
M04A	31-May-06	MID-EBB	4	31-May-06	MID-FLOOD	5
M04A	2-Jun-06	MID-EBB	3	2-Jun-06	MID-FLOOD	7
M04A	5-Jun-06	MID-EBB	4	5-Jun-06	MID-FLOOD	4
M04A	7-Jun-06	MID-EBB	3	7-Jun-06	MID-FLOOD	4
M04A	9-Jun-06	MID-EBB	4	9-Jun-06	MID-FLOOD	5
M04A	12-Jun-06	MID-EBB	4	12-Jun-06	MID-FLOOD	6
M04A	14-Jun-06	MID-EBB	4	14-Jun-06	MID-FLOOD	6
M04A	16-Jun-06	MID-EBB	4	16-Jun-06	MID-FLOOD	4
M04A	19-Jun-06	MID-EBB	5	19-Jun-06	MID-FLOOD	4
M04A	21-Jun-06	MID-EBB	8	21-Jun-06	MID-FLOOD	7
M04A	23-Jun-06	MID-EBB	5	23-Jun-06	MID-FLOOD	6
M04A	26-Jun-06	MID-EBB	4	26-Jun-06	MID-FLOOD	6
M04A	28-Jun-06	MID-EBB	5	28-Jun-06	MID-FLOOD	4
M04A	30-Jun-06	MID-EBB	4	30-Jun-06	MID-FLOOD	5
M04A	3-Jul-06	MID-EBB	4	3-Jul-06	MID-FLOOD	4
M04A	5-Jul-06	MID-EBB	13	5-Jul-06	MID-FLOOD	6
M04A	7-Jul-06	MID-EBB	5	7-Jul-06	MID-FLOOD	12
M04A	10-Jul-06	MID-EBB	4	10-Jul-06	MID-FLOOD	5
M04A	12-Jul-06	MID-EBB	4	12-Jul-06	MID-FLOOD	3
M04A	14-Jul-06	MID-EBB	4	14-Jul-06	MID-FLOOD	4
M04A	17-Jul-06	MID-EBB	2	17-Jul-06	MID-FLOOD	3
M04A	19-Jul-06	MID-EBB	3	19-Jul-06	MID-FLOOD	4
M04A	21-Jul-06	MID-EBB	3	21-Jul-06	MID-FLOOD	3
M04A	24-Jul-06	MID-EBB	6	24-Jul-06	MID-FLOOD	10
M04A	26-Jul-06	MID-EBB	3	26-Jul-06	MID-FLOOD	4
M04A	28-Jul-06	MID-EBB	6	28-Jul-06	MID-FLOOD	3
M04A	31-Jul-06	MID-EBB	4	31-Jul-06	MID-FLOOD	6
M05	1-May-06	MID-EBB	4	1-May-06	MID-FLOOD	4
M05	3-May-06	MID-EBB	7	3-May-06	MID-FLOOD	5
M05	5-May-06	MID-EBB	4	5-May-06	MID-FLOOD	4
M05	8-May-06	MID-EBB	5	8-May-06	MID-FLOOD	4
M05	10-May-06	MID-EBB	8	10-May-06	MID-FLOOD	8
M05	12-May-06	MID-EBB	6	12-May-06	MID-FLOOD	5
M05	15-May-06	MID-EBB	7	15-May-06	MID-FLOOD	5
M05	19-May-06	MID-EBB	6	19-May-06	MID-FLOOD	6
M05	22-May-06	MID-EBB	6	22-May-06	MID-FLOOD	5
M05	24-May-06	MID-EBB	7	24-May-06	MID-FLOOD	6
M05	26-May-06	MID-EBB	10	26-May-06	MID-FLOOD	9
M05	29-May-06	MID-EBB	7	29-May-06	MID-FLOOD	6
M05	31-May-06	MID-EBB	4	31-May-06	MID-FLOOD	4
M05	2-Jun-06	MID-EBB	4	2-Jun-06	MID-FLOOD	5
M05	5-Jun-06	MID-EBB	5	5-Jun-06	MID-FLOOD	4
M05	7-Jun-06	MID-EBB	5	7-Jun-06	MID-FLOOD	3
M05	9-Jun-06	MID-EBB	4	9-Jun-06	MID-FLOOD	5
M05	12-Jun-06	MID-EBB	6	12-Jun-06	MID-FLOOD	6
M05	14-Jun-06	MID-EBB	5	14-Jun-06	MID-FLOOD	5
M05	16-Jun-06	MID-EBB	5	16-Jun-06	MID-FLOOD	4
M05	19-Jun-06	MID-EBB	5	19-Jun-06	MID-FLOOD	5
M05	21-Jun-06	MID-EBB	7	21-Jun-06	MID-FLOOD	6
M05	23-Jun-06	MID-EBB	5	23-Jun-06	MID-FLOOD	6
M05	26-Jun-06	MID-EBB	4	26-Jun-06	MID-FLOOD	6
M05	28-Jun-06	MID-EBB	5	28-Jun-06	MID-FLOOD	3
M05	30-Jun-06	MID-EBB	4	30-Jun-06	MID-FLOOD	5
M05	3-Jul-06	MID-EBB	5	3-Jul-06	MID-FLOOD	7
M05	5-Jul-06	MID-EBB	7	5-Jul-06	MID-FLOOD	5
M05	7-Jul-06	MID-EBB	6	7-Jul-06	MID-FLOOD	6
M05	10-Jul-06	MID-EBB	5	10-Jul-06	MID-FLOOD	5
M05	12-Jul-06	MID-EBB	5	12-Jul-06	MID-FLOOD	3
M05	14-Jul-06	MID-EBB	4	14-Jul-06	MID-FLOOD	4
M05	17-Jul-06	MID-EBB	3	17-Jul-06	MID-FLOOD	3
M05	19-Jul-06	MID-EBB	3	19-Jul-06	MID-FLOOD	3
M05	21-Jul-06	MID-EBB	2	21-Jul-06	MID-FLOOD	4
M05	24-Jul-06	MID-EBB	7	24-Jul-06	MID-FLOOD	7
M05	26-Jul-06	MID-EBB	5	26-Jul-06	MID-FLOOD	4
M05	28-Jul-06	MID-EBB	4	28-Jul-06	MID-FLOOD	5
M05	31-Jul-06	MID-EBB	4	31-Jul-06	MID-FLOOD	4
M06	1-May-06	MID-EBB	6	1-May-06	MID-FLOOD	7
M06	3-May-06	MID-EBB	6	3-May-06	MID-FLOOD	5
M06	5-May-06	MID-EBB	4	5-May-06	MID-FLOOD	6
M06	8-May-06	MID-EBB	4	8-May-06	MID-FLOOD	4
M06	10-May-06	MID-EBB	6	10-May-06	MID-FLOOD	7
M06	12-May-06	MID-EBB	4	12-May-06	MID-FLOOD	4
M06	15-May-06	MID-EBB	7	15-May-06	MID-FLOOD	9
M06	19-May-06	MID-EBB	8	19-May-06	MID-FLOOD	5
M06	22-May-06	MID-EBB	9	22-May-06	MID-FLOOD	6
M06	24-May-06	MID-EBB	5	24-May-06	MID-FLOOD	9
M06	26-May-06	MID-EBB	8	26-May-06	MID-FLOOD	7
M06	29-May-06	MID-EBB	6	29-May-06	MID-FLOOD	6

Baseline Results (DA)

STN	DATE	TIDE	SS	DATE	TIDE	SS
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Impact Monitoring Results (DA)

STN	DATE	TIDE	SS	DATE	TIDE	SS
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M06	31-May-06	MID-EBB	4	31-May-06	MID-FLOOD	5
M06	2-Jun-06	MID-EBB	4	2-Jun-06	MID-FLOOD	4
M06	5-Jun-06	MID-EBB	3	5-Jun-06	MID-FLOOD	4
M06	7-Jun-06	MID-EBB	4	7-Jun-06	MID-FLOOD	4
M06	9-Jun-06	MID-EBB	6	9-Jun-06	MID-FLOOD	5
M06	12-Jun-06	MID-EBB	6	12-Jun-06	MID-FLOOD	6
M06	14-Jun-06	MID-EBB	5	14-Jun-06	MID-FLOOD	6
M06	16-Jun-06	MID-EBB	5	16-Jun-06	MID-FLOOD	4
M06	19-Jun-06	MID-EBB	5	19-Jun-06	MID-FLOOD	5
M06	21-Jun-06	MID-EBB	7	21-Jun-06	MID-FLOOD	7
M06	23-Jun-06	MID-EBB	5	23-Jun-06	MID-FLOOD	7
M06	26-Jun-06	MID-EBB	4	26-Jun-06	MID-FLOOD	6
M06	28-Jun-06	MID-EBB	4	28-Jun-06	MID-FLOOD	3
M06	30-Jun-06	MID-EBB	3	30-Jun-06	MID-FLOOD	3
M06	3-Jul-06	MID-EBB	4	3-Jul-06	MID-FLOOD	4
M06	5-Jul-06	MID-EBB	5	5-Jul-06	MID-FLOOD	5
M06	7-Jul-06	MID-EBB	4	7-Jul-06	MID-FLOOD	5
M06	10-Jul-06	MID-EBB	4	10-Jul-06	MID-FLOOD	5
M06	12-Jul-06	MID-EBB	5	12-Jul-06	MID-FLOOD	3
M06	14-Jul-06	MID-EBB	5	14-Jul-06	MID-FLOOD	3
M06	17-Jul-06	MID-EBB	3	17-Jul-06	MID-FLOOD	2
M06	19-Jul-06	MID-EBB	3	19-Jul-06	MID-FLOOD	4
M06	21-Jul-06	MID-EBB	2	21-Jul-06	MID-FLOOD	3
M06	24-Jul-06	MID-EBB	8	24-Jul-06	MID-FLOOD	9
M06	26-Jul-06	MID-EBB	5	26-Jul-06	MID-FLOOD	4
M06	28-Jul-06	MID-EBB	4	28-Jul-06	MID-FLOOD	4
M06	31-Jul-06	MID-EBB	4	31-Jul-06	MID-FLOOD	4
M07	1-May-06	MID-EBB	5	1-May-06	MID-FLOOD	5
M07	3-May-06	MID-EBB	5	3-May-06	MID-FLOOD	5
M07	5-May-06	MID-EBB	5	5-May-06	MID-FLOOD	3
M07	8-May-06	MID-EBB	4	8-May-06	MID-FLOOD	4
M07	10-May-06	MID-EBB	6	10-May-06	MID-FLOOD	7
M07	12-May-06	MID-EBB	3	12-May-06	MID-FLOOD	4
M07	15-May-06	MID-EBB	8	15-May-06	MID-FLOOD	5
M07	19-May-06	MID-EBB	11	19-May-06	MID-FLOOD	5
M07	22-May-06	MID-EBB	5	22-May-06	MID-FLOOD	7
M07	24-May-06	MID-EBB	4	24-May-06	MID-FLOOD	6
M07	26-May-06	MID-EBB	7	26-May-06	MID-FLOOD	5
M07	29-May-06	MID-EBB	4	29-May-06	MID-FLOOD	4
M07	31-May-06	MID-EBB	4	31-May-06	MID-FLOOD	4
M07	2-Jun-06	MID-EBB	4	2-Jun-06	MID-FLOOD	3
M07	5-Jun-06	MID-EBB	3	5-Jun-06	MID-FLOOD	3
M07	7-Jun-06	MID-EBB	6	7-Jun-06	MID-FLOOD	4
M07	9-Jun-06	MID-EBB	3	9-Jun-06	MID-FLOOD	6
M07	12-Jun-06	MID-EBB	5	12-Jun-06	MID-FLOOD	6
M07	14-Jun-06	MID-EBB	6	14-Jun-06	MID-FLOOD	4
M07	16-Jun-06	MID-EBB	3	16-Jun-06	MID-FLOOD	3
M07	19-Jun-06	MID-EBB	6	19-Jun-06	MID-FLOOD	7
M07	21-Jun-06	MID-EBB	5	21-Jun-06	MID-FLOOD	6
M07	23-Jun-06	MID-EBB	4	23-Jun-06	MID-FLOOD	6
M07	26-Jun-06	MID-EBB	4	26-Jun-06	MID-FLOOD	4
M07	28-Jun-06	MID-EBB	3	28-Jun-06	MID-FLOOD	3
M07	30-Jun-06	MID-EBB	3	30-Jun-06	MID-FLOOD	3
M07	3-Jul-06	MID-EBB	5	3-Jul-06	MID-FLOOD	4
M07	5-Jul-06	MID-EBB	4	5-Jul-06	MID-FLOOD	4
M07	7-Jul-06	MID-EBB	4	7-Jul-06	MID-FLOOD	5
M07	10-Jul-06	MID-EBB	4	10-Jul-06	MID-FLOOD	5
M07	12-Jul-06	MID-EBB	3	12-Jul-06	MID-FLOOD	4
M07	14-Jul-06	MID-EBB	4	14-Jul-06	MID-FLOOD	5
M07	17-Jul-06	MID-EBB	3	17-Jul-06	MID-FLOOD	2
M07	19-Jul-06	MID-EBB	3	19-Jul-06	MID-FLOOD	2
M07	21-Jul-06	MID-EBB	2	21-Jul-06	MID-FLOOD	4
M07	24-Jul-06	MID-EBB	9	24-Jul-06	MID-FLOOD	8
M07	26-Jul-06	MID-EBB	5	26-Jul-06	MID-FLOOD	4
M07	28-Jul-06	MID-EBB	3	28-Jul-06	MID-FLOOD	4
M07	31-Jul-06	MID-EBB	4	31-Jul-06	MID-FLOOD	4
M08	1-May-06	MID-EBB	4	1-May-06	MID-FLOOD	5
M08	3-May-06	MID-EBB	5	3-May-06	MID-FLOOD	4
M08	5-May-06	MID-EBB	4	5-May-06	MID-FLOOD	4
M08	8-May-06	MID-EBB	3	8-May-06	MID-FLOOD	4
M08	10-May-06	MID-EBB	6	10-May-06	MID-FLOOD	8
M08	12-May-06	MID-EBB	3	12-May-06	MID-FLOOD	4
M08	15-May-06	MID-EBB	10	15-May-06	MID-FLOOD	6
M08	19-May-06	MID-EBB	5	19-May-06	MID-FLOOD	5
M08	22-May-06	MID-EBB	5	22-May-06	MID-FLOOD	6
M08	24-May-06	MID-EBB	4	24-May-06	MID-FLOOD	5
M08	26-May-06	MID-EBB	5	26-May-06	MID-FLOOD	6
M08	29-May-06	MID-EBB	5	29-May-06	MID-FLOOD	4
M08	31-May-06	MID-EBB	4	31-May-06	MID-FLOOD	4
M08	2-Jun-06	MID-EBB	3	2-Jun-06	MID-FLOOD	4
M08	5-Jun-06	MID-EBB	3	5-Jun-06	MID-FLOOD	3
M08	7-Jun-06	MID-EBB	6	7-Jun-06	MID-FLOOD	4
M08	9-Jun-06	MID-EBB	3	9-Jun-06	MID-FLOOD	5
M08	12-Jun-06	MID-EBB	5	12-Jun-06	MID-FLOOD	5
M08	14-Jun-06	MID-EBB	5	14-Jun-06	MID-FLOOD	5
M08	16-Jun-06	MID-EBB	4	16-Jun-06	MID-FLOOD	3
M08	19-Jun-06	MID-EBB	6	19-Jun-06	MID-FLOOD	8
M08	21-Jun-06	MID-EBB	5	21-Jun-06	MID-FLOOD	7
M08	23-Jun-06	MID-EBB	4	23-Jun-06	MID-FLOOD	5
M08	26-Jun-06	MID-EBB	3	26-Jun-06	MID-FLOOD	5
M08	28-Jun-06	MID-EBB	3	28-Jun-06	MID-FLOOD	3
M08	30-Jun-06	MID-EBB	3	30-Jun-06	MID-FLOOD	3
M08	3-Jul-06	MID-EBB	5	3-Jul-06	MID-FLOOD	4
M08	5-Jul-06	MID-EBB	4	5-Jul-06	MID-FLOOD	4
M08	7-Jul-06	MID-EBB	4	7-Jul-06	MID-FLOOD	6
M08	10-Jul-06	MID-EBB	4	10-Jul-06	MID-FLOOD	5
M08	12-Jul-06	MID-EBB	3	12-Jul-06	MID-FLOOD	3
M08	14-Jul-06	MID-EBB	4	14-Jul-06	MID-FLOOD	5

Baseline Results (DA)

STN	DATE	TIDE	SS	DATE	TIDE	SS
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Impact Monitoring Results (DA)

STN	DATE	TIDE	SS	DATE	TIDE	SS
M11	2-Jun-06	MID-EBB	4	2-Jun-06	MID-FLOOD	5
M11	5-Jun-06	MID-EBB	3	5-Jun-06	MID-FLOOD	5
M11	7-Jun-06	MID-EBB	5	7-Jun-06	MID-FLOOD	4
M11	9-Jun-06	MID-EBB	3	9-Jun-06	MID-FLOOD	5
M11	12-Jun-06	MID-EBB	7	12-Jun-06	MID-FLOOD	7
M11	14-Jun-06	MID-EBB	5	14-Jun-06	MID-FLOOD	6
M11	16-Jun-06	MID-EBB	4	16-Jun-06	MID-FLOOD	4
M11	19-Jun-06	MID-EBB	6	19-Jun-06	MID-FLOOD	5
M11	21-Jun-06	MID-EBB	5	21-Jun-06	MID-FLOOD	6
M11	23-Jun-06	MID-EBB	4	23-Jun-06	MID-FLOOD	6
M11	26-Jun-06	MID-EBB	4	26-Jun-06	MID-FLOOD	4
M11	28-Jun-06	MID-EBB	4	28-Jun-06	MID-FLOOD	3
M11	30-Jun-06	MID-EBB	3	30-Jun-06	MID-FLOOD	3
M11	3-Jul-06	MID-EBB	4	3-Jul-06	MID-FLOOD	4
M11	5-Jul-06	MID-EBB	8	5-Jul-06	MID-FLOOD	5
M11	7-Jul-06	MID-EBB	4	7-Jul-06	MID-FLOOD	4
M11	10-Jul-06	MID-EBB	4	10-Jul-06	MID-FLOOD	4
M11	12-Jul-06	MID-EBB	5	12-Jul-06	MID-FLOOD	3
M11	14-Jul-06	MID-EBB	4	14-Jul-06	MID-FLOOD	4
M11	17-Jul-06	MID-EBB	3	17-Jul-06	MID-FLOOD	2
M11	19-Jul-06	MID-EBB	2	19-Jul-06	MID-FLOOD	3
M11	21-Jul-06	MID-EBB	2	21-Jul-06	MID-FLOOD	4
M11	24-Jul-06	MID-EBB	5	24-Jul-06	MID-FLOOD	8
M11	26-Jul-06	MID-EBB	5	26-Jul-06	MID-FLOOD	4
M11	28-Jul-06	MID-EBB	4	28-Jul-06	MID-FLOOD	3
M11	31-Jul-06	MID-EBB	4	31-Jul-06	MID-FLOOD	4
M12	1-May-06	MID-EBB	5	1-May-06	MID-FLOOD	5
M12	3-May-06	MID-EBB	7	3-May-06	MID-FLOOD	6
M12	5-May-06	MID-EBB	5	5-May-06	MID-FLOOD	4
M12	8-May-06	MID-EBB	3	8-May-06	MID-FLOOD	5
M12	10-May-06	MID-EBB	7	10-May-06	MID-FLOOD	7
M12	12-May-06	MID-EBB	5	12-May-06	MID-FLOOD	6
M12	15-May-06	MID-EBB	7	15-May-06	MID-FLOOD	7
M12	19-May-06	MID-EBB	7	19-May-06	MID-FLOOD	5
M12	22-May-06	MID-EBB	11	22-May-06	MID-FLOOD	7
M12	24-May-06	MID-EBB	6	24-May-06	MID-FLOOD	5
M12	26-May-06	MID-EBB	7	26-May-06	MID-FLOOD	7
M12	29-May-06	MID-EBB	5	29-May-06	MID-FLOOD	5
M12	31-May-06	MID-EBB	4	31-May-06	MID-FLOOD	4
M12	2-Jun-06	MID-EBB	5	2-Jun-06	MID-FLOOD	7
M12	5-Jun-06	MID-EBB	3	5-Jun-06	MID-FLOOD	4
M12	7-Jun-06	MID-EBB	4	7-Jun-06	MID-FLOOD	4
M12	9-Jun-06	MID-EBB	3	9-Jun-06	MID-FLOOD	5
M12	12-Jun-06	MID-EBB	6	12-Jun-06	MID-FLOOD	7
M12	14-Jun-06	MID-EBB	6	14-Jun-06	MID-FLOOD	5
M12	16-Jun-06	MID-EBB	4	16-Jun-06	MID-FLOOD	5
M12	19-Jun-06	MID-EBB	6	19-Jun-06	MID-FLOOD	7
M12	21-Jun-06	MID-EBB	7	21-Jun-06	MID-FLOOD	6
M12	23-Jun-06	MID-EBB	5	23-Jun-06	MID-FLOOD	7
M12	26-Jun-06	MID-EBB	4	26-Jun-06	MID-FLOOD	5
M12	28-Jun-06	MID-EBB	4	28-Jun-06	MID-FLOOD	4
M12	30-Jun-06	MID-EBB	4	30-Jun-06	MID-FLOOD	4
M12	3-Jul-06	MID-EBB	5	3-Jul-06	MID-FLOOD	5
M12	5-Jul-06	MID-EBB	5	5-Jul-06	MID-FLOOD	6
M12	7-Jul-06	MID-EBB	4	7-Jul-06	MID-FLOOD	6
M12	10-Jul-06	MID-EBB	5	10-Jul-06	MID-FLOOD	5
M12	12-Jul-06	MID-EBB	4	12-Jul-06	MID-FLOOD	3
M12	14-Jul-06	MID-EBB	5	14-Jul-06	MID-FLOOD	5
M12	17-Jul-06	MID-EBB	3	17-Jul-06	MID-FLOOD	3
M12	19-Jul-06	MID-EBB	3	19-Jul-06	MID-FLOOD	4
M12	21-Jul-06	MID-EBB	3	21-Jul-06	MID-FLOOD	4
M12	24-Jul-06	MID-EBB	6	24-Jul-06	MID-FLOOD	7
M12	26-Jul-06	MID-EBB	4	26-Jul-06	MID-FLOOD	5
M12	28-Jul-06	MID-EBB	4	28-Jul-06	MID-FLOOD	4
M12	31-Jul-06	MID-EBB	4	31-Jul-06	MID-FLOOD	6

$n_2 =$ 1092
 $\bar{x}_2 =$ 4.9
 $\sum (x_i - \bar{x}_i)^2 =$ 3320
 $\sigma_2 =$ 1.7